

ON-VEHICLE SERVICE

DRIVE BELTS TENSION ADJUSTMENT

- (1) Check that the belts are not damaged and are properly fit into the pulley grooves.

Caution

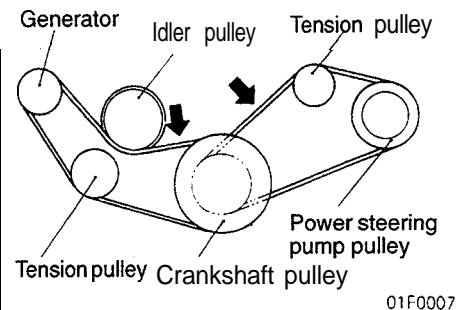
1. When installing the V-ribbed belt, check that the V-ribs are properly fit without misalignment.
 2. If creaking or slippage is observed, check the belt for wear, damage, or breakage on the pulley contact surface, check the pulley for scoring, in addition to sag inspection.
 3. Check that the V-ribbed belt is not resting on the tension pulley or idler pulley flange.
- (2) With belt tension gauge set to the belt midway between the pulleys as shown in the illustration, check the belt tension for standard value. Or apply a force of 98 N (22 lbs.) to the belt to check the deflection for standard value.

Standard value:

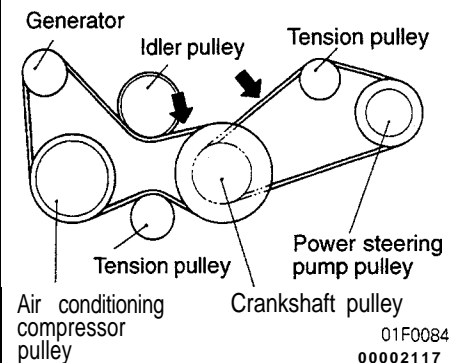
<Vehicle without air conditioning>

Items		Check value	Adjustment value – new belt	Adjustment value – used belt
For generator	Tension N (lbs.)	350-600 (77-132)	650-850 (143-187)	450-600 (99-132)
	Deflection mm (in.) <Reference value>	4.0-5.5 (.16-.22)	3.5-4.0 (.14-.16)	4.0-5.0 (.16-.20)
For power steering pump	Tension N (lbs.)	250-500 (55-110)	500-700 (110-154)	350-400 (77-88)
	Deflection mm (in.) <Reference value>	9.5-13.5 (.37-.53)	7.5-9.0 (.30-.35)	10.5-12.5 (.41-.49)

<Vehicle without air conditioner>

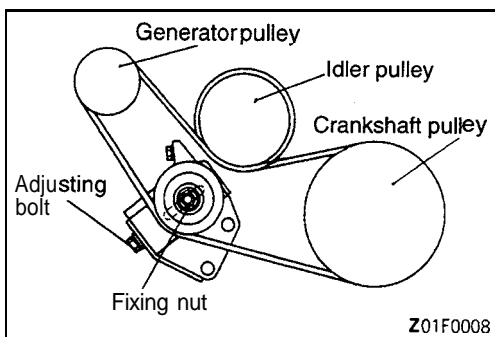


<Vehicle with air conditioner>

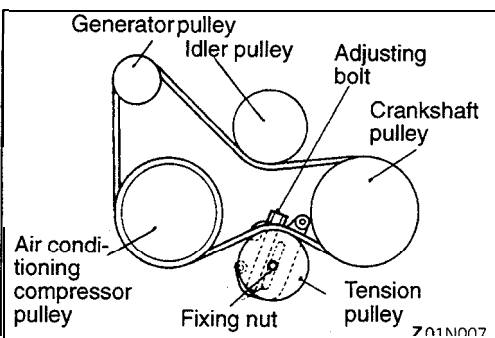


<Vehicle with air conditioning>

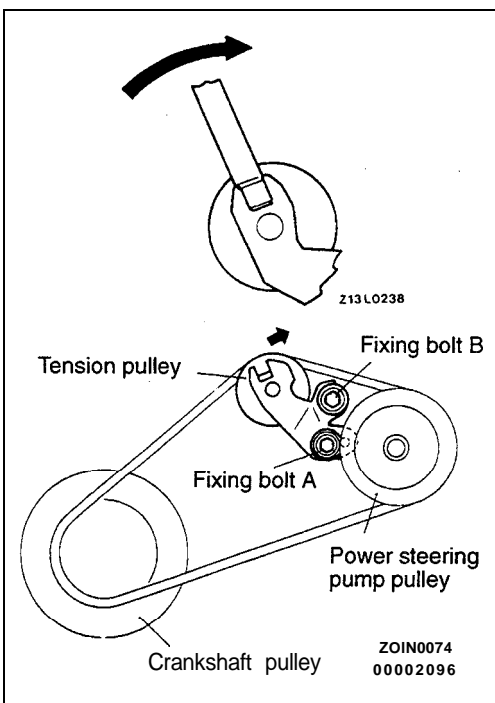
Items		Check value	Adjustment value – new belt	Adjustment value – used belt
For generator and A/C compressor	Tension N (lbs.)	350-600 (77-132)	650-850 (143-187)	450-600 (99-132)
	Deflection mm (in.) <Reference value>	4.0-5.5 (.16-.22)	3.5-4.0 (.14-.16)	4.0-5.0 (.16-.20)
For power steering pump	Tension N (lbs.)	250-500 (55-110)	500-700 (110-154)	350-400 (77-88)
	Deflection mm (in.) <Reference value>	9.5-13.5 (.37-.53)	7.5-9.0 (.30-.35)	10.5-12.5 (.41-.49)

**GENERATOR DRIVE BELT TENSION ADJUSTMENT****<Vehicle without air conditioning>**

- (1) Remove front under cover panel <Vehicle with active aero> (Refer to GROUP 51 – Aero Parts.).
- (2) Remove under covers (front L.H., side L.H.).
- (3) Loosen tension pulley fixing nut.
- (4) Adjust belt deflection with adjusting bolt.
- (5) Tighten fixing bolt.
- (6) Run the engine one time or more.
- (7) Check the belt tension. Readjust, if necessary.
- (8) Install under covers.

**GENERATOR AND AIR CONDITIONING COMPRESSOR DRIVE BELT DEFLECTION ADJUSTMENT <Vehicle with air conditioning>**

- (1) Use straight handle box wrench to loosen tension pulley fixing nut.
- (2) Adjust belt deflection with adjusting bolt.
- (3) Use straight handle box wrench to tighten fixing nut.
- (4) Run the engine one time or more.
- (5) Check the belt deflection. Readjust, if necessary.

**POWER STEERING PUMP DRIVE BELT DEFLECTION ADJUSTMENT**

- (1) Insert an extension bar (insertion depth 12.7 mm), etc. into the opening at the end of the tension pulley bracket.
- (2) Loosen the tension pulley fixing bolts in the order of B and A.
- (3) Move the extension bar installed to the tension pulley in the direction of arrow to adjust the belt tension.
- (4) Tighten the tension pulley fixing bolts in the order of A and B.

Tightening torque: 42 Nm (30 ft.lbs.)

- (5) Give the crankshaft two turns in normal direction (clockwise) to run in the belt.
- (6) Check the belt deflection. Readjust, if necessary.